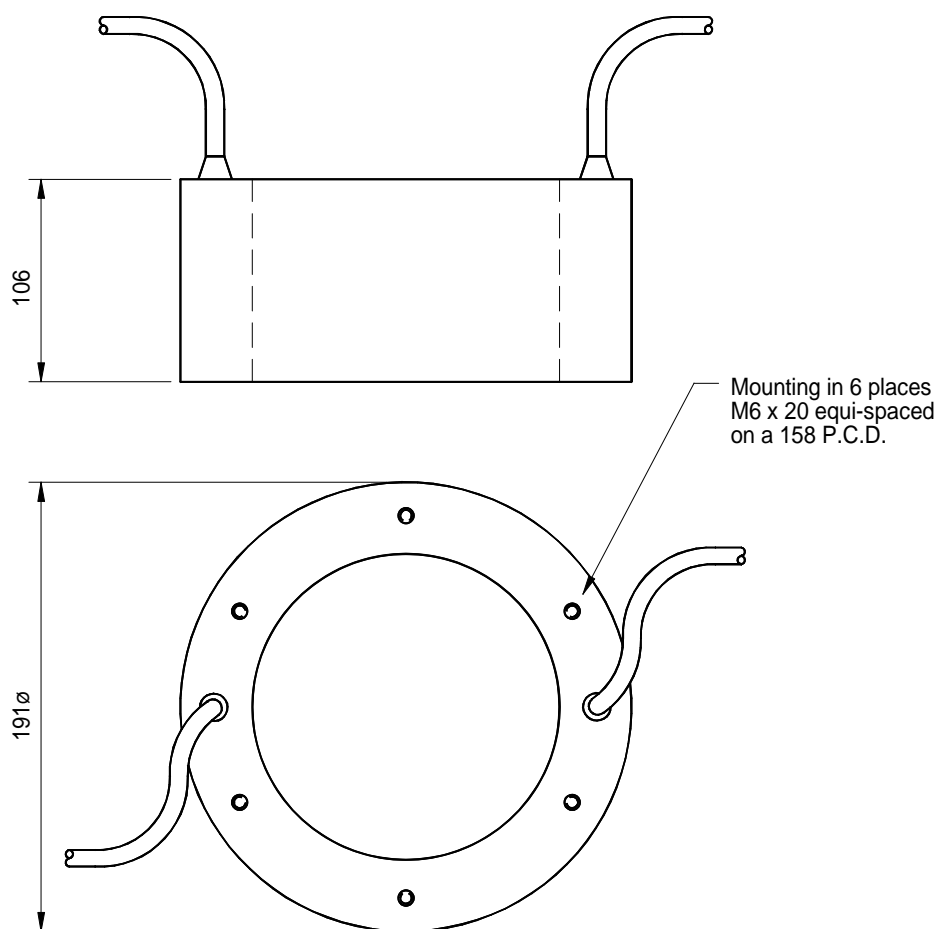


- 4 KHZ FREE FLOODED RING
- BROADBAND
- HIGH POWER
- OMNI-DIRECTIONAL BEAM PATTERN
- UNLIMITED DEPTH
- LONG RANGE TRANSMISSION



The TI70 is one of a range of Free Flooding Ring transducers recently introduced by Neptune. Utilising the latest ceramic technology the FFR concept is ideally suited for high power, broadband, low frequency sound generation.

Another advantage of the design is its ability to operate down to full ocean depth at maximum efficiency. FFR transducers can be configured to produce different beam patterns and are available in a range of frequencies.

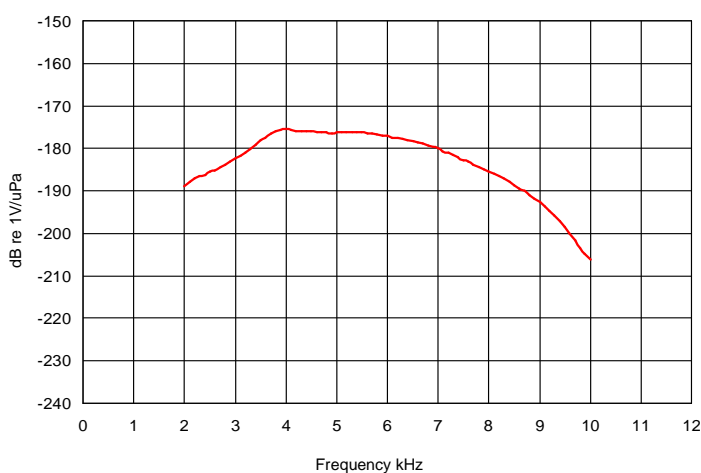


All dimensions in mm

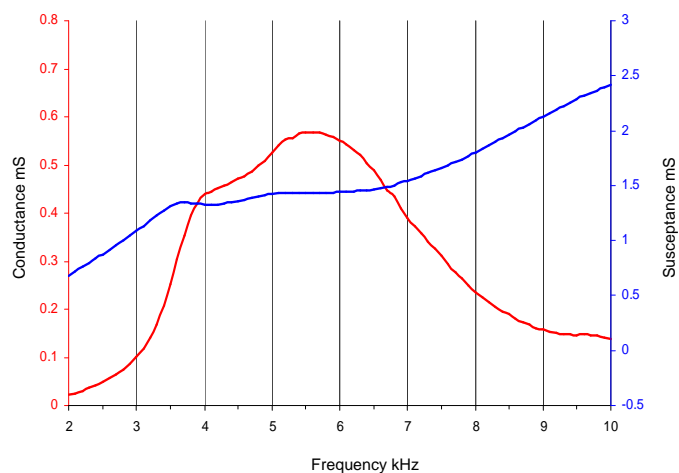
Technical Specification

Resonant Frequency	4 kHz
Operating Band	3 kHz to 9.5 kHz
Transmit Sensitivity	See Graph
Horizontal Beam Pattern	Omni ± 2 dB up to 9 kHz
Vertical Beam Pattern	Toroidal (See Graphs)
Input Power Max	1500 Watts @ 10% Duty Cycle
Operating Depth	Unlimited
Cable Length	3 Metres (Additional lengths supplied to order)
Cable Type	Polyurathane Ø6mm Single Conductors
Storage Temperature	-40 to +80 °C
Operating Temperature	-5 to +70 °C

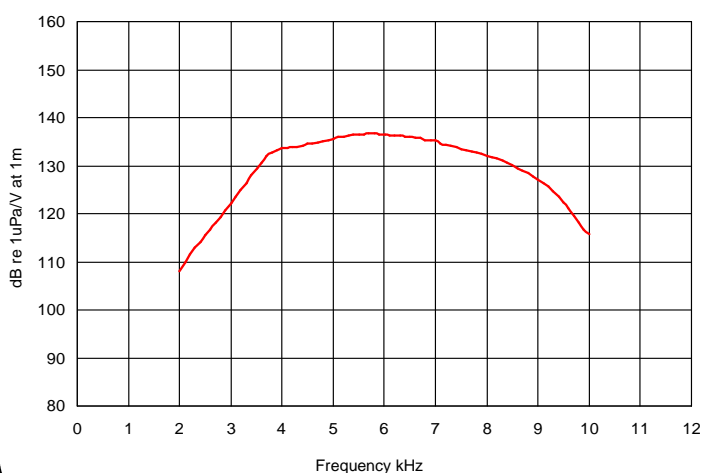
Receive Graph



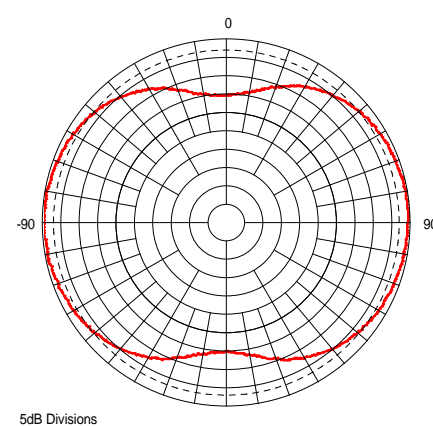
Admittance Plot



Transmit Graph



Beam Pattern Vertical at 4 kHz



Data illustrated is taken from actual in-water measurements